

REQUEST FOR QUALIFICATIONS (RFQ)
RFQ 08-004

The City of Houston intends to enter into contract with a professional engineer to provide engineering services for the project listed below. The work to be performed by the engineer under each proposed contract shall consist of Phase I, II and III professional engineering services per the city's standard design contract (available for reference at: http://www.publicworks.cityofhouston.gov/documents/procedures/cip_projects/standard_engineering_services_contract.pdf)

To qualify for selection, the submitting firm must have a professional engineer, registered in Texas who can sign and seal the work to be performed in the contract. To be considered for evaluation, firms should submit a specific statement of qualifications (SOQ) for the project(s) and may not submit more than one response to this RFQ or be subject to disqualification.

The submittal shall include a transmittal letter. Following the transmittal letter shall be a one-page letter from each sub-consulting firm proposed in the submittal indicating that firm's desire to be included and indicating a general statement of the scope of services that the sub-consultant will perform if the submitting firm is selected. A copy of the submitting firm's response to questionnaire pertaining to "Conflict of Interest" submitted to the City Secretary should also be included. Local Government Code Chapter 176 requires firms seeking to do business with the City of Houston ("City") to file a Conflict of Interest Questionnaire with the City Secretary. The Conflict of Interest Questionnaire is available for downloading on the Texas Ethics Commission's website at <http://www.ethics.state.tx.us/forms/CIQ.pdf>. The completed Conflict of Interest Questionnaire will be posted on the City Secretary's website. It is the submitting firm's responsibility to submit the latest version of the Conflict of Interest questionnaire form as promulgated by the Texas Ethics Commission.

The length of submittal document shall not exceed ten 8 1/2 x 11 pages (single sided). The submittal shall include:

- Specific technical capabilities of the firm(s) for the project.
- Prior demonstrated experience in accomplishing similar projects;
- Demonstrated timeliness on similar projects;
- Demonstrated ability to find cost saving/cost effective solutions;
- Examples of effective services rendered during the construction phase of projects engineered by the firm;
- Specific qualifications of employees intended to be assigned on the projects(s);
- Identification and qualifications of sub-consultants intended to be used on the project(s), and
- Demonstrated ability to fulfill M/WBE goals.

A committee appointed by the Director of Public Works and Engineering will review the submittals and recommend the most highly qualified submitting firms for sections. The PWE-100 Forms and previously completed engineer evaluations on file will be used along with the submittal document for each submitting firm's qualifications.

A pre-submittal meeting will be held at 3:00 PM on Friday, June 8, 2007 in the George R. Brown Convention Center, Room 360 A, B, D, & E to discuss this and other solicitations. A firm may not have more than (2) members at this meeting.

Deadline: Seven (7) copies of a letter of interest notifying the City of Houston of the Provider's intent to be considered for these professional services, including qualifications and accompanying statements shall be addressed to the City of Houston, Department of Public Works and Engineering, 611 Walker, 15th floor, Attention: Mr. Reid K. Mrnsy, P.E., Houston, Texas 77002 and will be received until 2:00 p.m. (CST) Wednesday, June 27, 2007. any submissions received after this time will not be considered. Submit qualifications in a sealed envelope and clearly identify RFQ number and firm name on outside of the envelope.

Selection No. R03

R-000512-0013-3: SCADA and Wireless Communications Improvements

- **Project Location:** City Wide
- **General Scope:** The scope includes evaluation of the existing Wastewater Facilities SCADA and Security Systems and providing the required recommendations for implementing a wireless infrastructure for such facilities. The scope of work is as follows:
 1. Replacement of the existing telephone circuits and LAN lines with the Wireless Communication network System (WCNS for the identified Wastewater Facilities as follows: a) 4545 Groveway 24/7 Monitoring and Control Operation Center, b) Cullen Service Center, c) Forth (40) Wastewater Treatment Plans, d) Three Hundred Eighty (380) Lift Stations, e) Three (3) Wet Weather Facilities, f) Fourteen (14) under Passes, g) two (2) Storm Water Facilities.
 2. Design of a centralized communication system for monitoring and control of Wastewater Automation and security systems. The network system will be designed such that in case the primary central control location is rendered inoperable for any reason the secondary backup locations will have the capability to take over the monitoring and control functions of the entire system. In addition, the secondary locations will have the capability to serve as disaster recovery centers within four regional wastewater service areas (North, South, East and West).
 3. Assessment and recommendation of the availability of the radio system suppliers and analyzing the use of the existing Drinking Water Operation Communications redundant microwave network capacity while determining the need to expand the existing network coverage to all wastewater facilities. Determination of the equipment costs associated for the recommended upgrades and construction phasing for each construction package.
 4. Perform radio survey and sites evaluation study to provide a cost estimate of hardware, software, communication infrastructure needed to support the line of site for data transmissions.
 5. Development of complete detailed design for the network infrastructures and equipment including, but not e limited to, construction drawings and the

required specifications. Development of the specification shall consider utilizing the existing radio supplier contract “Hutton Communication” to acquire 11GHz microwave radio equipment as manufactured by (Ceragon) for the “point to point” network back bone and 5.8 GHz remote site “point to multi point” radio equipment as manufactured by (Alvarion). Engineer shall identify and provide the approval of all required license application and license approval activities with the FCC and the FAA. All requirements for radios and repeaters will be included as part of the basic design services.

- **Anticipated City of Houston Milestones:**

Initiation of Engineering	3 rd Quarter of FY08
Initiation of Construction	Multi-Year